

Application No. 09/684,053
Amendment "B" dated November 9, 2004
Reply to Office Action mailed July 16, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a network that includes an expert proxy server computer system that is coupled to a plurality of wireless devices through a limited bandwidth wireless network, wherein the expert proxy server is coupled through a network to a plurality of server computer systems, the expert proxy server either directly or in conjunction with the plurality of server computer systems offering a plurality of applications that provide a service, a method of the expert proxy server acting as an agent for a wireless device so as to preserve the limited bandwidth of the wireless network and so as to preserve the limited memory and processing capacity of the wireless device, the method comprising the following:

a specific act of the expert proxy server computer system determining that a service is to be provided to a wireless device, the service corresponding to a generic application stored on the wireless device;

a specific act of the expert proxy server computer system identifying an application that provides the service, the application being stored remotely from both the wireless device and the expert proxy server and providing the service through specific implementations of tasks that the generic application stored on the wireless device is not capable of implementing;

a specific act of the expert proxy server computer system communicating with the identified application that provides the service, such that the wireless device is spared having to interface directly with the identified application over the limited bandwidth wireless network;

a specific act of the expert proxy server computer system compiling the results of the communication with the application; and

subsequent to compiling the results, translating the communication into a generic format that can be recognized by the wireless device and that can be interpreted by the generic application; and

a specific act of the expert proxy server computer system transmitting the formatted compilation to the wireless device over the limited bandwidth wireless network.

Application No. 09/684,053
Amendment "B" dated November 9, 2004
Reply to Office Action mailed July 16, 2004

2. (Original) A method in accordance with Claim 1, wherein the specific act of the expert proxy server determining that a service is to be provided to a wireless device comprises the following:

a specific act of the expert proxy server receiving a request from the wireless device to provide the service.

3. (Previously Presented) A method in accordance with Claim 1, wherein the specific act of the expert proxy server computer system communicating with the identified application that provides the service comprises the following:

a specific act of the expert proxy server communicating with one of the plurality of server computer systems over an external network that hosts the identified application.

4. (Original) A method in accordance with Claim 1, wherein the specific act of the expert proxy server computer system communicating with the identified application that provides the service comprises the following:

a specific act of the expert proxy server submitting a plurality of separate communications to the application; and

a specific act of the expert proxy server receiving a response to at least some of the plurality of communications.

5. (Original) A method in accordance with Claim 1, wherein the service includes an instant messaging service.

6. (Currently Amended) A method in accordance with Claim 1, wherein the service includes a storage service, and wherein the wireless device only maintains identifiers for information stored on the expert proxy server that are provided by the expert proxy server, and without storing the information at the wireless device, thereby preserving storage capacity of the wireless device, and wherein the wireless device can obtain the stored information from the expert proxy server by providing one or more identifiers to the expert proxy server corresponding to the stored information.

Application No. 09/684,053
Amendment "B" dated November 9, 2004
Reply to Office Action mailed July 16, 2004

7. (Currently Amended) A method in accordance with Claim 1, wherein the service includes a customized page service, and wherein the expert proxy server compiles customized information including calendar appointments and contact information pertaining to a customized page and then translates the compiled customized information into a format recognized by the wireless device, the expert proxy server compiling the customized information in response to a simple request by the generic application for the customized page.

8. (Currently Amended) A method in accordance with Claim 1, wherein the service includes a reservations service, wherein the expert proxy server identifies a plurality of applications that can provide reservations services to satisfy a simple request for a reservation made by the generic application of the wireless device, and wherein the expert proxy server gathers results from the plurality of different applications and sends the results to the wireless device.

9. (Currently Amended) A method in accordance with Claim 1, wherein the service includes a bidding service, wherein the expert proxy server determines the service should be provided to the wireless device in response to a specific request from the client to be informed when a particular product is made available for sale at a particular price, and wherein the expert proxy communicates with a number of auction Web pages in response to the request, and wherein the expert proxy notifies the wireless device when the product is available at the particular price on one of the auction Web pages, as determined by monitoring the auction Web pages.

Application No. 09/684,053
Amendment "B" dated November 9, 2004
Reply to Office Action mailed July 16, 2004

10. (Previously Presented) A computer program product comprising one or more computer-readable media having computer-executable instructions for implementing the method recited in claim 1.

11. (Original) A computer program product in accordance with Claim 10, wherein the computer-executable instructions for performing the specific act of determining that a service is to be provided to a wireless device comprises computer-executable instructions for performing the following:

a specific act of receiving a request from the wireless device to provide the service.

12. (Previously Presented) A computer program product in accordance with Claim 10, wherein the computer-executable instructions for performing the specific act of causing the expert proxy server computer system to communicate with the application that provides the service comprises computer-executable instructions for performing the following:

a specific act of the expert proxy server communicating with one of the plurality of server computer systems over an external network that hosts the identified application.

13. (Previously Presented) A computer program product in accordance with Claim 10, wherein the computer-executable instructions for performing the specific act of causing the expert proxy server computer system to communicate with the application that provides the service comprises computer-executable instructions for performing the following:

a specific act of causing the expert proxy server to submit a plurality of separate communications to the application; and

a specific act of receiving a response to at least some of the plurality of communications.

Application No. 09/684,053
Amendment "D" dated November 9, 2004
Reply to Office Action mailed July 16, 2004

14-18. (Cancelled)

19. (Currently Amended) A ~~method~~ computer program product in accordance with Claim 1410, wherein the service includes an instant messaging service.

20. (Currently Amended) A computer program product ~~method~~ in accordance with Claim 1410, wherein the service includes a storage service.

21. (Currently Amended) A computer program product ~~method~~ in accordance with Claim 1410, wherein the service includes a customized page service.

22. (Currently Amended) A computer program product ~~method~~ in accordance with Claim 1410, wherein the service includes a reservations service.

23. (Currently Amended) A computer program product ~~method~~ in accordance with Claim 1410, wherein the service includes a bidding service.

24. (Cancelled).

25. (Previously Presented) A method as recited in claim 1, wherein the expert proxy server communicates with the identified application and at least one over a relatively high bandwidth network as compared to the bandwidth of the wireless network.

26. (New) A method as recited in claim 1, wherein the expert proxy server determines that the service should be provided to the wireless device without receiving a request for the service from the wireless device.

27. (New) A method as recited in claim 1, wherein the expert proxy server determines that the service should be provided to the wireless device in response to a request from a third party.